## WHAT IS CLAIMED IS:

- 1. A virtual reality presentation method comprising:
- capturing motion of a user;
- 3 capturing audio of the user;
- transforming the audio of the user into a different
- 5 entity; and
- animating a character with the motion and
- 7 transformed audio in real-time.
- 1 2. The method of claim 1 further comprising displaying
- the animated character on an output device.
- 1 3. The method of claim 1 in which capturing motion
- 2 comprises:
- 3 attaching multiple motion tracking sensors to areas
- 4 of the user to track the user's movements; and
- transmitting signals representing the movements from
- 6 the sensors to a computer system.
- 1 4. The method of claim 1 in which capturing audio
- 2 comprises attaching a microphone to the user.
- 1 5. The method of claim 4 in which the microphone is a
- 2 wireless microphone.

- The method of claim 1 in which transforming the 6. 1 audio comprises:
- altering pitch characteristics of the audio of the user. 3
- 7. The method of claim 1 in which animating comprises: 1
- applying the motion to a three dimensional (3-D) 2
- 3 model; and

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- combining the transformed audio to the 3-D model. 4
- 8. The method of claim 1 in which transforming the 1 audio comprises: 2
- transforming the audio into the different entity that is of the opposite gender.
- 9. A presentation method comprising:
- generating a three-dimensional (3-D) model of a
- character;
- capturing motion of a user in real-time;
- capturing audio of the user in real-time; 5
- modifying a gender of the audio of the user; and 6
- animating the 3-D model with the motion and modified 7
- audio of the user in real-time. 8
- 10. The method of claim 9 further comprising displaying 1
- the animated 3-D model on an output device. 2

- 1 11. The method of claim 9 in which capturing motion
- 2 comprises:
- attaching multiple motion tracking sensors to areas
- 4 of the user to track the user's movements; and
- 5 transmitting magnetic fields representing the
- 6 movements from the sensors to a computer system.
- 1 12. The method of claim 9 in which capturing audio
- 2 comprises attaching a microphone to the user.
- 1 13. The method of claim 12 in which the microphone is a
- wireless microphone.
- 1 14. The method of claim 9 in which modifying comprises
- 2 altering pitch characteristics of the audio of the user.
- 1 15. A presentation system comprising:
- a motion tracking device connected to a user;
- an audio receiving device connected to the user;
- an audio receiver/converter to transform the audio
- 5 into audio of a different gender to that of the user; and
- a system to produce an animated three-dimensional
- 7 character from the motion and converted audio.
- 1 16. The system of claim 15 further comprising an output
- 2 device.

- 1 17. The system of claim 15 in which the motion tracking
- 2 device comprises:
- a set of interconnected sensors affixed to the user;
- 4 and
- a transmitting device for receiving signals from the
- 6 sensors and sending them to a computer system.
- 1 18. The system of claim 15 in which the audio receiving
- 2 device is a microphone.
- 1 19. The system of claim 18 in which the microphone is a
- 2 wireless microphone.
- 1 20. The system of claim 15 in which the audio
- 2 receiver/converter comprises an audio effects digital signal
- 3 processor.
  - 21. A computer program product for producing a virtual
- 2 reality presentation, the product residing on a computer
- 3 readable medium having instructions stored thereon which, when
- 4 executed by the processor, cause the processor to:
- 5 capture motion of a user;
- 6 capture audio of the user;
- 7 transform the audio of the user into audio of an opposite
- 8 gender to that of the user; and

- animate a character with the motion and transformed audio
  in real-time to render a virtual reality presentation on an
  output device.
- 1 22. A computer program product for producing a virtual
- 2 reality presentation, the product residing on a computer
- 3 readable medium having instructions stored thereon which, when
- 4 executed by the processor, cause the processor to:
- 5 generate a three-dimensional (3-D) model of a character;
- 6 capture motion of a user in real-time;
- 7 capture audio of the user in real-time;
- 8 modify a gender of the audio opposite to that of the
- 9 user; and
- animate the 3-D model with the motion and modified audio
- of the user in real-time to render a virtual reality
- 12 presentation on.
- 1 23. A presentation method comprising:
- 2 detecting motion of a user;
- 3 detecting audio of the user;
- 4 altering the audio of the user;
- 5 synchronizing the motion of the user to an animated
- 6 character; and
- 7 synchronizing the altered audio of the user to the
- 8 animated character.

- 1 24. The method of claim 23 in which detecting motion
- 2 comprises:
- 3 receiving signals representing motions from sensors
- 4 attached to the user; and
- 5 processing the signals in a computer system.
- 1 25. The method of claim 23 in which detecting audio
- 2 comprises:
- 3 receiving audio signals from a microphone attached to the
- 4 user.
- 1 26. The method of claim 23 in which altering the audio
- 2 comprises:
- modifying a fundamental frequency of the audio.
- 1 27. The method of claim 23 further comprising:
- displaying the animated character on an output device.
- 1 28. The method of claim 27 in which the output device is
- 2 a projector.
- 1 29. The method of claim 27 in which the output device is
- 2 a flat panel plasma monitor.
- 1 30. The method of claim 27 in which the output device is
- 2 a multi-scan presentation monitor.

- 1 31. The method of claim 27 in which the output device is
- 2 an electronic white board.
- 1 32. The method of claim 27 in which the output device is
- 2 a projection screen.